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1-800-Belden1



## General Description:

110 Ohm, 26 AWG stranded (7x34) .018" TC conductors, Datalene® insulation, twisted pair, Beldfoil® shield (100% coverage), 26 AWG stranded TC drain wire, PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	26	7x34	TC - Tinned Copper	0.4826

Total Number of Conductors: 2

### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Datalene®	FHDPE - Foam High Density Polyethylene	1.2446

### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	7x34	TC - Tinned Copper

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 3.658 mm

### Pair

Pair Color Code Chart:

Number	Color
1	Black & White

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 14.882 Kg/Km

Max. Recommended Pulling Tension: 46.706 N

Min. Bend Radius/Minor Axis: 38.100 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Other Specification:	AES/EBU

**Flame Test**

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
110

**Nom. Inductance:**

<b>Inductance (µH/m)</b>
0.75463

**Nom. Capacitance Conductor to Conductor:**

<b>Capacitance (pF/m)</b>
42.653

**Nom. Capacitance Cond. to Other Conductor & Shield:**

<b>Capacitance (pF/m)</b>
85.306

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
76

**Nominal Delay:**

<b>Delay (ns/m)</b>
4.39654

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
122.381

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
75.7911

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
.38	2.75604
.77	3.87158
1.0	4.39654
1.5	5.05274
2.0	5.54489
3.1	6.29952
4.1	7.02134
5.6	7.8744
8.2	9.02275
11.3	10.1383
12.3	10.4336
24.6	13.7802

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Max. Recommended Current:**

<b>Current</b>
1.9 Amps per conductor @ 25°C

**Notes (Overall)**

**Notes:** For cross-connect use with 7891A (et al.) Digital Audio Snake Cables.

**Put Ups and Colors:**

## METRIC MEASUREMENT VERSION

## 9180 Multi-Conductor - Single-Pair Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9180 Z4B1000	1,000 FT	12.000 LB	VIO Z4B		2 #26 FHDPE FS FRPVC
9180 0601000	1,000 FT	12.000 LB	CHROME	C	2 #26 FHDPE FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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